

Fig. 1A



1591	AGCTCGGGCGCGCGCGCGCGCGCGCGGGGCCCGCGGGGGCGCGGGCGCGGCC	390
1645	SerSerGlyGlyGlyGlyGlyGlyAlaGlyAlaAlaGlyGlyAlaGlyGlyAla	408
1699	GGGACCTACCACTGCAACCTGCAAGCCATGAGCCTGTACGCGGCCGCGAGCGC	426
1753	GlyThrTyrHisCysAsnLeuGlnAlaMETSerLeuTyrAlaAlaGlyGluArg	444
1807	GGGGCCCACTTGCAGGGCGCGCCCGGGGGCGCGGGCGGCTCGGCCGTGGACAAC	462
1861	GlyGlyHisLeuGlnGlyAlaProGlyGlyAlaGlyGlySerAlaValAspAsn	480
1915	CCCCTGCCCGACTACTCTCTGCCTCCGGTCACCAGCAGCAGCTCGTCTCCCTG	498
1969	ProLeuProAspTyrSerLeuProProValThrSerSerSerSerSerSerLeu	516
2023	AGTCACGGCGGCGCGCGCGCGCGCGGGGAGGCCAGGAGGCCGCCACCAC	534
2077	SerHisGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlnGluAlaGlyHisHis	552
2131	CCTGCGGCCACCAAGGCCGCCTCACCTCGTGGTACCTGAACCAGCGGGCGGA	
2185	ProAlaAlaHisGlnGlyArgLeuThrSerTrpTyrLeuAsnGlnAlaGlyGly	
2245	GACCTGGGCCACTTGGCAAGCGCGCGCGCGGGCGGGCGGCCGCGCAGGCTACCCG	
2305	AspLeuGlyHisLeuAlaSerAlaAlaAlaAlaAlaAlaAlaGlyTyrPro	
2365	GGCCAGCAGCAGAACTTCCACTCGGTGCGGGAGATGTTTCGAGTCACAGAGGATC	
2425	GlyGlnGlnGlnAsnPheHisSerValArgGluMETPheGluSerGlnArgIle	
2485	GGCTTGAACAACCTCTCCAGTGAACGGGAATAGTAGCTGTCAAATGGCCTTCCCT	
2545	GlyLeuAsnAsnSerProValAsnGlyAsnSerSerCysGlnMETAlaPhePro	
2605	TCCAGCCAGTCTCTGTACCGCACGTCCGGAGCTTTTCGTCTACGACTGTAGCAAG	
2665	SerSerGlnSerLeuTyrArgThrSerGlyAlaPheValTyrAspCysSerLys	
2725	TTTTTGAcacaccctcaaagccgaactaaatcgaaaccccaaagcaggaaaagcta	
2785	PheSTP	
2845	aaggaaccatcaaggcaaaatcgaaactaaaaaaaaaaatccaattaaaaaaaaacccc	
2905	tgagaatatccaccacaccagcgaacagaatatccctccaaaatttcagctcaccagcac	
2965	cagcaggaagaaaactctattttcttaaccgattaattcagagccacctccactttgcct	
3025	tgtctaaataaacaacccgtaaaactgttttatacagagacagcaaaatcttggtttatt	
3085	aaaggacagtgttactccagataaacacgtaagtttctttgcttttcagagacctgctt	
3145	tcctctctccctctccctctctcttgcctttcttgcctctcactctgaagatatta	
3205	ttttatcctatgttgaagggaggggaaagtccccgtttatgaaagtcgctttcttttta	
3265	ttcatggacttgtttaaaatgtaaattgcaacatagtaatttttaatttgtagtt	
3325	ggatgtcgtggacaaacgccagaaagtgttccaaaacctgacgttaaattgacctgaaa	
3385	ctttaaatttgctttttttctcattataaaaagggaactgtattaactttattctatc	
3445	ctcttttctttctttttgttgaacatatcattgtttgtttattaataaaattaccattca	
3505	qtttgaatgagacctatatgtctggatactttaatagagctttaattattacgaaaaaag	
3565	atttcagagataaaacactagaagttacctattctccacctaaatctctgaaaaatggag	
3625	aaacctctgactagtccatgtcaaattttactaaaagtctttttgtttagatttatttt	
3685	cctgcagcatctctcgaaaaatgactatatagtcagcttgctttgaggctagtaaaaaag	
3745	atatttttctaaacagattggagttggcatataaaccaaatcagttttctcactaatgaca	
3805	gtccatgattcggaaattttaagcccatgaatcagccgcggtcttaccacggtgatgcct	
3865	gtgtgccgagagatgggactgtgcggccagatatgcacagataaatatttggttggtgta	
3925	ttccataaaaaattgcagtgcatataataacacctgtgagccagatgttgaatagattt	
3985	tttctattatttcagctccttataaaaggaaaaataaacacggttttaaatgtatgat	
4045	ataattctccccatttacaatccttcatgtattacatagaaggattgcttttttaaaaa	
4105	tatactgcggttggaaggatatttaactctttgagaaactattttagaaaaatagtgtt	
4165	gtagaacaattatttttgaaaaagatttaaagcaataacaagaagggaaggcgagaggagc	
4225	agaacatttttggtctagggtggtttcttttaaacattttttcttgtaattttacagtt	
4285	aaacctaggggacaatccggatttggccctcccccttttggtaaatcaaccaggaaatgtaa	
4345	taaatcattatcttagggtgatctgccctgccaatcagactttggggagatggcgattt	
4405	gattacagacgttcgggggggtggggggcttcagtttggtttggagataatacagtttc	
4465	ctgctatctgcgcctcctatatagaggcaacacttaagcagtaattgctgttgcttggtg	
4525	tcaaaatttgatcattgtttaaggattgctgcaataataacactttaatttcagtcaaa	
4585	aaaaaaaaaaaaaaaaaaaaa	

Fig. 1B



Clone Name	Image Number	Organism	Vector	Loc	5' Sequence	3' Sequence	Insert Size	Tissue	Contig
zr45a08	666326	Human		3'	AA232742	AA232201		NhHMPu	
zw04a06	768274	Human		3'		AA424787		NhHMPu	
zv90g12	767110	Human		3'	AA424381	AA424466		NhHMPu	
yw76b12	258143	Human	pT7T3D	3'	N40575			Placenta, 8 to 9 wk	
ze13t07	358885	Human		3'		W94629		Fetal Heart	
yw78d12	258359	Human		3'		N25875		Placenta, 8 to 9 wk	
zw05a06	768370	Human	pT7T3D	3'	AA495846		722	NhHMPu	
oj36t08	1500423	Human		3'		AA885880		NCI_CGAP_Lu5	
zd71b11	346077	Human		3'	W77980			Fetal Heart, 19 wk	
ah14c11	1156628	Human		3'		AA776534		Wilms Tumor	
oh48b09	1469849	Human		3'		AA865139		NCI_CGAP_GC4	
zd71b12	346079	Human		3'		W73917		Fetal Heart, 19 wk	
ze71a01	364392	Human	pT7T3D	3'	AA022618	AA022755	919	Fetal Heart, 19 wk	
ze13t07	358885	Human		3'	W94714			Fetal Heart, 19 wk	
ok90g07	1521276	Human		3'		AA902429		NCI_CGAP_Lu5	
yw78b12	258335	Human		3'		N25867		Placenta, 8 to 9 wk	
yw28c11	253556	Human	pBlue SK-	3'	H89575			Fetal Cochlea	
EST54452		Human		3'	AA348051			Fetal Heart	
EST38957		Human		3'	AA334694			Embryo, 9 wk	
yw30d03	253733	Human	pBlue SK-	3'	N75774	N22552	475	Fetal Cochlea	
nj57a04	996558	Human		3'	AA551599			NCI_CGAP_Pr9	
yw76d12	258167	Human	pT7T3D	3'	N40582			Placenta, 8 to 9 wk	
nv16g07	1220412	Human		3'		AA688135		NCI_CGAP_Pr22	
GEN-206f07		Human		3'	D56550			Aorta	
oj39104	1500703	Human		3'		AA886687		NCI_CGAP_Kid3	
GEN-288A05		Human		3'	D57248			Aorta	
vc30a07	776052	Mouse	pT7T3D	3'	AA276025			Kidney, 6 wk	
vu08t03	1180061	Mouse		5'	AA673797			Myotubes	
vw64c01	1248576	Mouse		3'	AA960591			Mammary Gland, 4 wk	
vg45c07	864300	Mouse	pT7T3D	3'		AA759405		Mammary Gland, 4 wk	
md53e12	372142	Mouse		3'		AA458089	936	Embryo, 13.5-14.5 dy	
mc72a07	419796	Mouse	pT7T3D	5'	W91182			Embryo, 13.5-14.5 dy	
vv53d11	1226133	Mouse	pT7T3D	5'	AA739434			Embryo, 13.5-14.5 dy	
me94t07	403237	Mouse	pT7T3D	3'				Thymus, 4 wk	
vc85b07		Mouse	pSPORT1	3'				Embryo, 13.5-14.5 dy	
mo83c06				3'				Embryo, 11.5 dy	
UI-R-AO-a1-b-03		Rat		3'	AA819240				
UI-R-E1-go-e-12		Rat		3'	AA964464			Embryo	

Fig. 3